

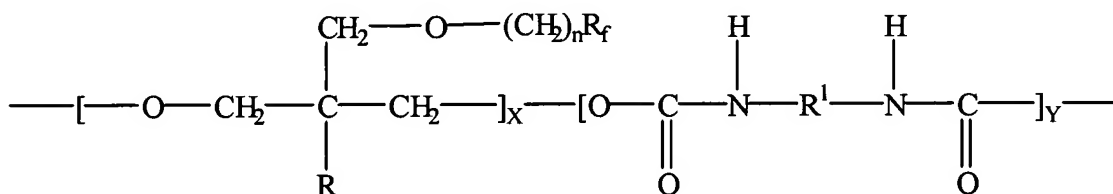
**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

Claims 1-14 (canceled)

15 (new): A fluorinated thermoset polyurethane elastomers having the structure:



where:

- a) n is 1-3;
- b) R is selected from the group consisting of methyl and ethyl;
- c)  $\text{R}_f$  is selected from the group consisting of perfluorinated alkyls having 1-20 carbons and oxaperfluorinated polyethers having from about 4-20 carbons;
- d) X is 10-200 and Y is 2-50; and
- e)  $\text{R}^1$  is a divalent hydrocarbyl radical.

16 (new): A fluorinated thermoset polyurethane elastomer as in claim 1 wherein said isocyanate segments are selected from the group consisting of hexamethylene diisocyanate (HDI), isophorone diisocyanate (IPDI), 4,4'-methylene diphenylisocyanate (MDI), polymeric MDI (Isonate<sup>®</sup>), toluene diisocyanates, saturated MDI (HMDI), polymeric HDI (Desmodur<sup>®</sup> N-100 and N-3200), trimethylhexane diisocyanate and mixtures thereof.

1                   17 (new): A fluorinated thermoset polyurethane elastomer as in claim 2 wherein  
2   said fluorinated polyether segment is produced from at least one monomer selected from the  
3   group consisting of 3-(2,2,3,3,4,4,5-heptafluorobutoxymethyl)-3-methyloxetane, 3-(2,2,2-  
4   trifluoroethoxymethyl)-3-methyloxetane, 3-(3,3,4,4,5,5,6,6,7,7,8,8,8-  
5   tridecafluorooctyloxymethyl)-3-methyloxetane, 3-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-  
6   heptadecafluorooctyloxymethyl)-3-methyloxetane, and 3-  
7   (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosa-fluorododecyloxymethyl)-3-  
8   methyloxetane.